



Espacenet

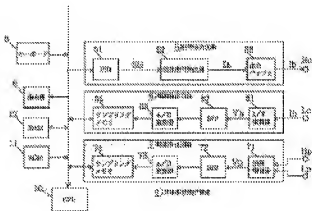
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## METHOD AND DEVICE FOR PRESUMPTION OF BODY COMPOSITION

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## Abstract of JP 10014899 (A)

**PROBLEM TO BE SOLVED:** To enhance the presumptive calculating accuracy for the body composition, for example the body water content distribution, the condition of body fat, hematocrit value, or the like. **SOLUTION:** A signal output circuit 5 feeds a multi-frequency current  $I_b$  into the body of a subject, and a current sensing circuit 6 senses the current  $I_b$  flowing through the body of a subject, while a voltage sensing circuit 7 senses the voltage  $V_b$  between his hands and feet. A CPU 10 measures the bioelectric impedance on the basis of the obtained current  $I_b$  and voltage  $V_b$  and calculates the extra-cellular fluid resistance and intra-cellular fluid resistance of the body of the subject on the basis of the determined bioelectric impedance. On the basis of the obtained extra-cellular fluid and/or intra-cellular fluid resistance, the amount of extra-cellular fluid, that of intra-cellular fluid, water content of his body, rate of body fat, hematocrit value, or the like are presumptively calculated, and the results are displayed in a display 9.



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